

Appendix 4: Pooled results for hysterectomy v first generation endometrial destruction

	Time point	Trials (no.)	WMD (95%CI) <sup>§</sup>	OR (95%CI) <sup>#</sup>	P-value	Hetero (p) / I <sup>2</sup> (%)	
Duration surgery (mins)		6 (850)	32 (30 to 34)	-	<0.0001	<0.0001/ 99	
Duration hospital stay (days)		7 (1066)	3.0 (2.9 to 3.1)	-	<0.0001	<0.0001/ 99	
Surgery pain score (0-10)		2 (367)	2.5 (2.2 to 2.9)	-	<0.0001	0.8/ 0	
Return to work (days)		6 (725)	14 (13 to 16)	-	<0.0001	<0.0001/ 98	
Return normal activities (days)		5 (770)	5.2 (4.7 to 5.7)	-	<0.0001	<0.0001/ 98	
Return sexual activity (days)		2 (302)	36 (31 to 41)	-	<0.0001	<0.0001/ 99	
Proportion dyspareunia	6 months	1 (166)	-	0.71 (0.39 to 1.31)	0.3	-	
	12 months	2 (322)	-	0.87 (0.51 to 1.48)	0.6	0.2/ 47	
SF36 General health (absolute)		1 (181)	-9.8 (-13.9 to -5.7)	-	<0.0001	-	
SF36 Physical function (absolute)		1 (181)	-1.2 (-5.3 to 2.9)	-	0.6	-	
SF36 Role physical (absolute)		1 (181)	-0.8 (-5.0 to 3.4)	-	0.7	-	
SF36 Role emotional (absolute)	12 months	1 (181)	-3.9 (-8.2 to 0.4)	-	0.08	-	
SF36 Mental health (absolute)		1 (181)	-2.7 (-6.8 to 1.4)	-	0.2	-	
SF36 Social function (absolute)		1 (181)	-21.2 (-24.7 to -17.8)	-	<0.0001	-	
SF36 Vitality (absolute)		1 (181)	-11.3 (-14.8 to -7.8)	-	<0.0001	-	
SF36 Pain (absolute)		1 (181)	-1.5 (-6.1 to 3.1)	-	0.5	-	
SF36 General health (absolute)	2 years	2 (225)	-6.5 (-12.1 to -0.9)	-	0.02	0.4/ 0	
SF36 Physical function (absolute)		2 (221)	-2.8 (-7.4 to 1.8)	-	0.2	0.8/ 0	
SF36 Role physical (absolute)		2 (223)	-1.3 (-10.4 to 7.9)	-	0.8	0.4/ 0	
SF36 Role emotional (absolute)		2 (224)	-7.6 (-16.2 to 1.1)	-	0.09	0.7/ 0	
SF36 Mental health (absolute)		2 (221)	-2.8 (-7.4 to 1.8)	-	0.2	0.6/ 0	
SF36 Social function (absolute)		2 (221)	-7.1 (-12.5 to -1.8)	-	0.009	0.5/ 0	
SF36 Vitality (absolute)		2 (222)	-5.0 (-10.5 to 0.5)	-	0.07	0.08/ 67	
SF36 Pain (absolute)		2 (225)	-8.4 (-14.9 to -2.0)	-	0.01	0.6/ 0	
SF36 General health (change)			1 (181)	-9.6 (-13.5 to -5.7)	-	<0.0001	-
SF36 Physical function (change)			1 (181)	-1.0 (-5.0 to 3.0)	-	0.6	-
SF36 Role physical (change)	12 months	1 (181)	0.1 (-4.1 to 4.3)	-	1.0	-	
SF36 Role emotional (change)		1 (181)	-4.4 (-8.4 to -0.4)	-	0.03	-	
SF36 Mental health (change)		1 (181)	-1.0 (-4.9 to 2.9)	-	0.6	-	
SF36 Social function (change)		1 (181)	-24 (-27 to -21)	-	<0.0001	-	
SF36 Vitality (change)		1 (181)	-13 (-16 to -9)	-	<0.0001	-	
SF36 Pain (change)		1 (181)	-2.2 (-7.3 to 2.9)	-	0.4	-	
		6 months	1 (220)	-0.09 (-0.16 to -0.02)	-	0.02	-
	12 months	1 (210)	0.00 (-0.08 to 0.08)	-	1.0	-	
EQ5D (absolute)	2 years	1 (213)	-0.02 (-0.09 to 0.05)	-	0.6	-	
	3 years	1 (157)	0.04 (-0.05 to 0.13)	-	0.4	-	
	4 years	1 (98)	-0.01 (-0.12 to 0.10)	-	0.9	-	
	6 months	1 (220)	-0.09 (-0.18 to -0.00)	-	0.05	-	
	12 months	1 (210)	-0.03 (-0.13 to 0.07)	-	0.5	-	
EQ5D (change)	2 years	1 (213)	-0.03 (-0.12 to 0.06)	-	0.5	-	
	3 years	1 (157)	0.06 (-0.05 to 0.17)	-	0.3	-	
	4 years	1 (96)	-0.01 (-0.16 to 0.14)	-	0.9	-	
		<b>Trials</b>	<b>Freq</b>				
	6 months	3	11/318 (3%)				
	12 months	3	17/248 (7%)				
Repeat endometrial destruction	2 years	2	13/222 (6%)				
	3 years	2	15/189 (8%)				
	4 years	1	1/48 (2%)				
	5 years	1	2/123 (2%)				
	6 months	3	11/305 (4%)				
	12 months	4	27/271 (10%)				
Hysterectomy after endometrial destruction	2 years	3	38/246 (15%)				
	3 years	2	33/194 (17%)				
	4 years	1	23/59 (39%)				
	5 years	1	42/123 (34%)				

Peri-procedure complications:	Trials	Freq (Hyst: max 530, 1 <sup>st</sup> gen: max 585)	OR (95%CI) <sup>#</sup>	P-value	Hetero (p) / I <sup>2</sup> (%)
- Anaesthesia problems (Hyst, 1 <sup>st</sup> gen)	7	3, 0	10.9 (1.08 to 111)	0.04	0.7/ 0
- Excessive bleeding (Hyst, 1 <sup>st</sup> gen)	7	10, 10	1.03 (0.42 to 2.53)	1.0	0.7/ 0
- Injury surrounding organs (Hyst)	7	3	-	-	-
- Uterine perforation (1 <sup>st</sup> gen)	7	11	-	-	-
- Fluid overload (1 <sup>st</sup> gen)	7	21	-	-	-
- Visceral damage (1 <sup>st</sup> gen)	7	1	-	-	-
- Cervical laceration (1 <sup>st</sup> gen)	7	4	-	-	-
- Procedure abandoned (1 <sup>st</sup> gen)	7	2	-	-	-
- Converted to hysterectomy (1 <sup>st</sup> gen)	7	14	-	-	-
<b>Further complications (&lt;1 month):</b>					

- Urinary tract infection (Hyst, 1 <sup>st</sup> gen)	7	43, 9	4.38 (2.48 to 7.75)	<0.0001	0.6/ 0
- DVT (Hyst, 1 <sup>st</sup> gen)	7	2, 0	6.96 (0.43 to 112)	0.2	-
- Excessive bleeding (Hyst)	7	9	-	-	-
- Embolism (Hyst)	7	2	-	-	-
- Further bleeding (1 <sup>st</sup> gen)	7	0	-	-	-
- Sepsis (1 <sup>st</sup> gen)	7	9	-	-	-
- Pyrexia (1 <sup>st</sup> gen)	7	5	-	-	-
- Endometriosis (1 <sup>st</sup> gen)	7	1	-	-	-
- Abdominal pain (1 <sup>st</sup> gen)	7	0	-	-	-
- Foul discharge (1 <sup>st</sup> gen)	7	0	-	-	-
- Visceral damage (1 <sup>st</sup> gen)	7	0	-	-	-

\$ <0 Favours Hysterectomy, >0 favours first generation endometrial destruction

# <1 Favours Hysterectomy, >1 favours first generation endometrial destruction